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From: Piro, Peter (DPH)
Sent: Wednesday, January 19, 2011 1:17 PM
To: Nassif, Julianne (DPH); Lawler, Michael (DPH); Salemi, Charles (DPH)
Subject: Good and Bad News

Bad News-The GC of both **GHB free acid** and sodium GHB do not fully convert to GBL. Heat appears to breakdown the majority of GHB in the injector. I also found literature that supports GHB decomposition at 178-180 C. Equal concentrations of GBL and GHB will not give the same response assuming they were individually isolated from solution.

Good News-I made a saturated aqueous solution of cane sugar, splenda and equal and the GHB easily derivatized with the GHB free acid isolation procedure. Some samples may be pH appropriate without pH adjustment and some will need pH adjustment. In either case, any GBL is first removed with chloroform and then the pH is adjusted if necessary. The mixture is then extracted with ethyl acetate to isolate GHB free acid, evaporated and derivatized neat…….I will try with Coca-Cola next.